DOCKET: 2297.0660

FIG. 1 (PRIOR ART)

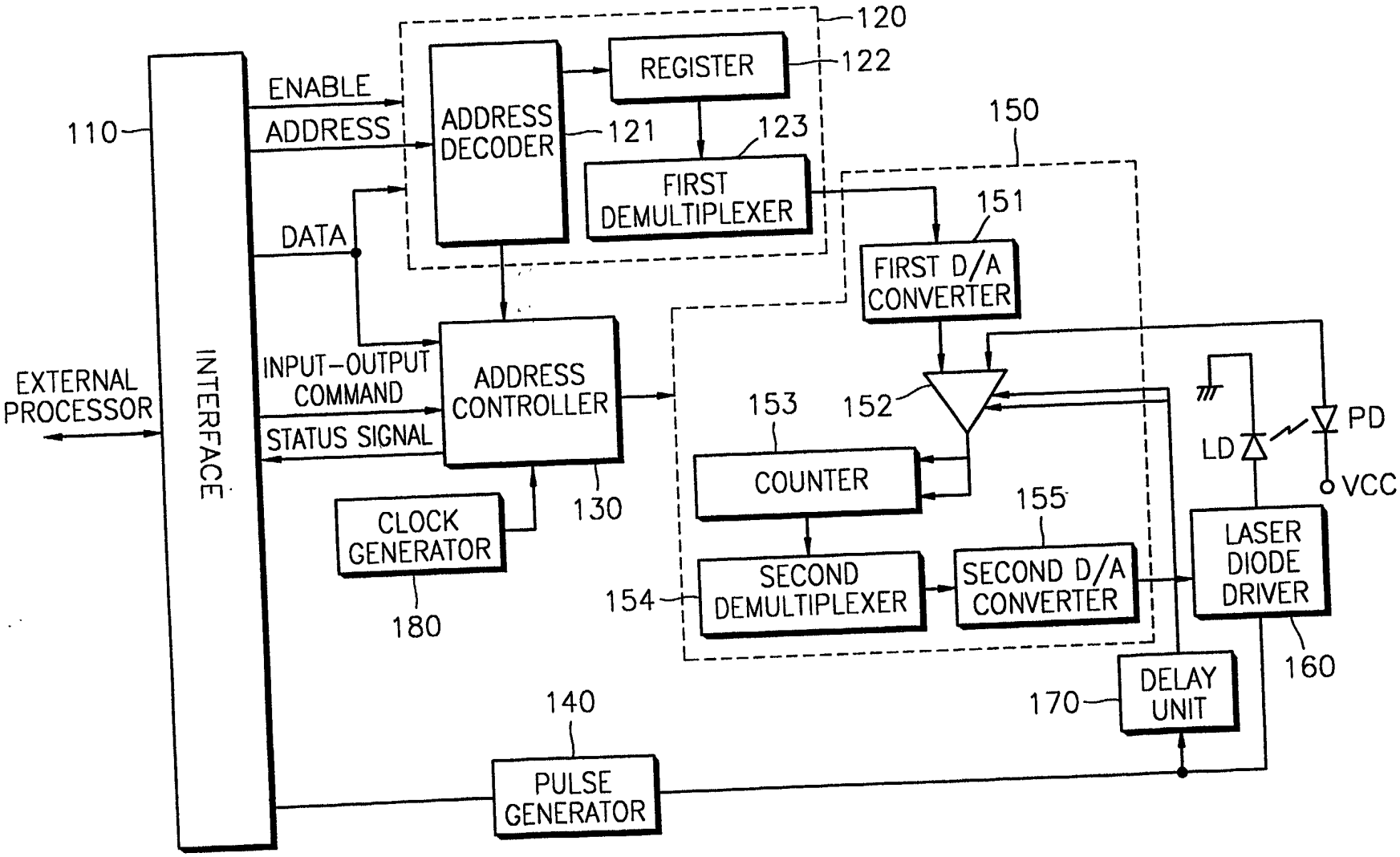
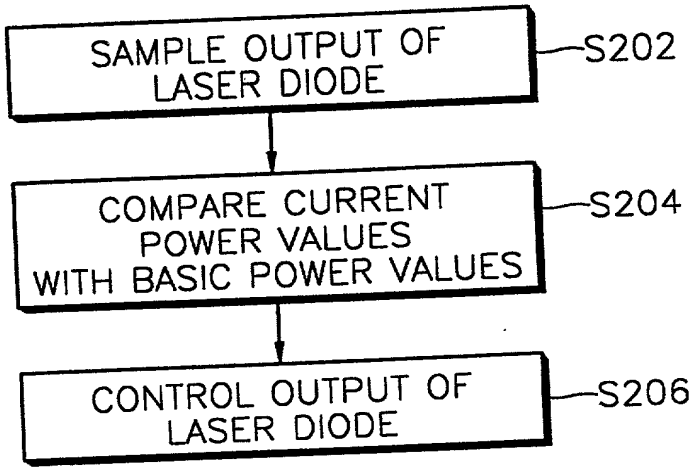


FIG. 2


SAMPLE OUTPUT OF LASER DIODE
S202
COMPARE CURRENT POWER VALUES WITH BASIC POWER VALUES
S204
CONTROL OUTPUT OF LASER DIODE
S206

TG92TT 22ST6660

FIG. 3

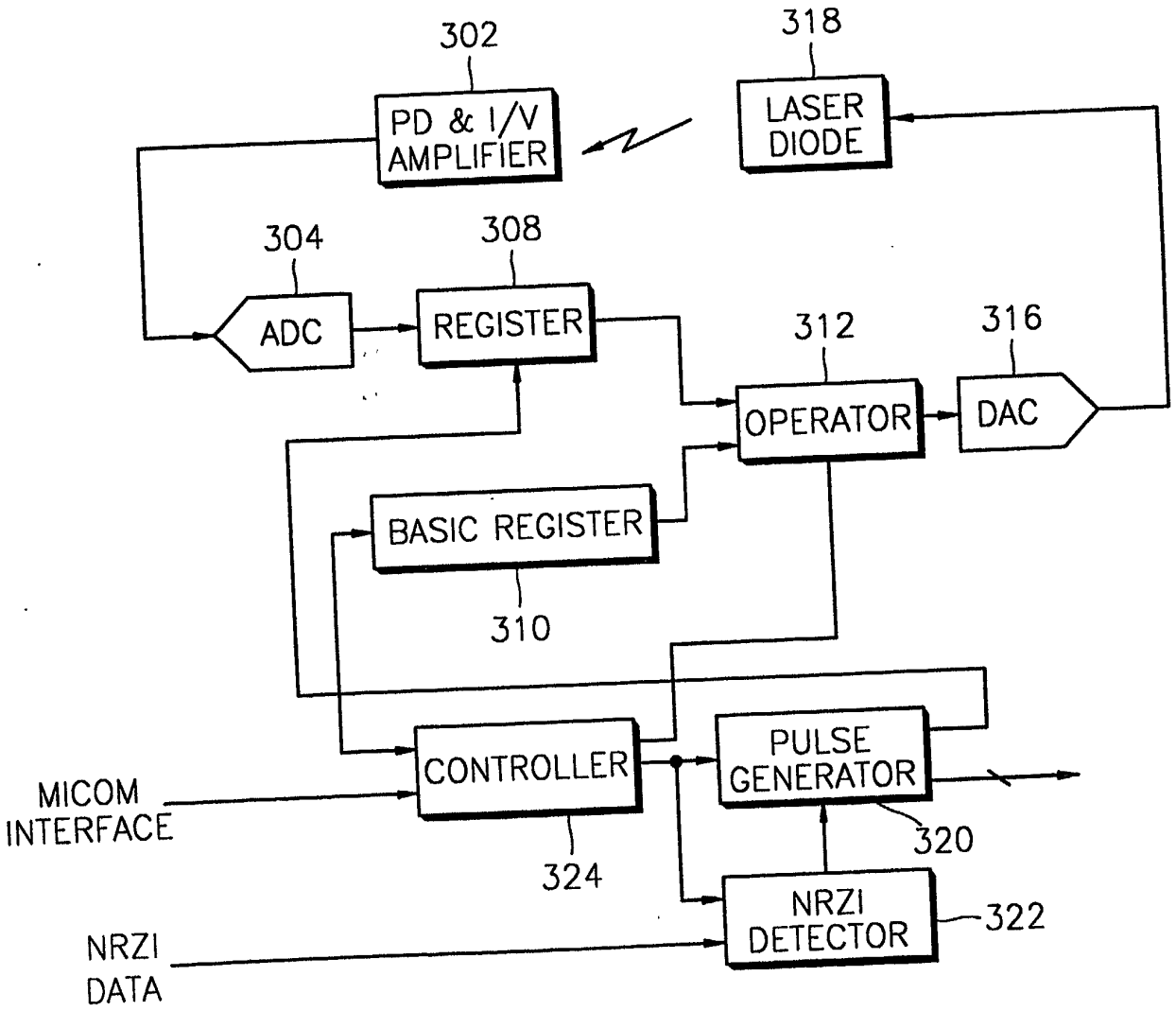


FIG. 4

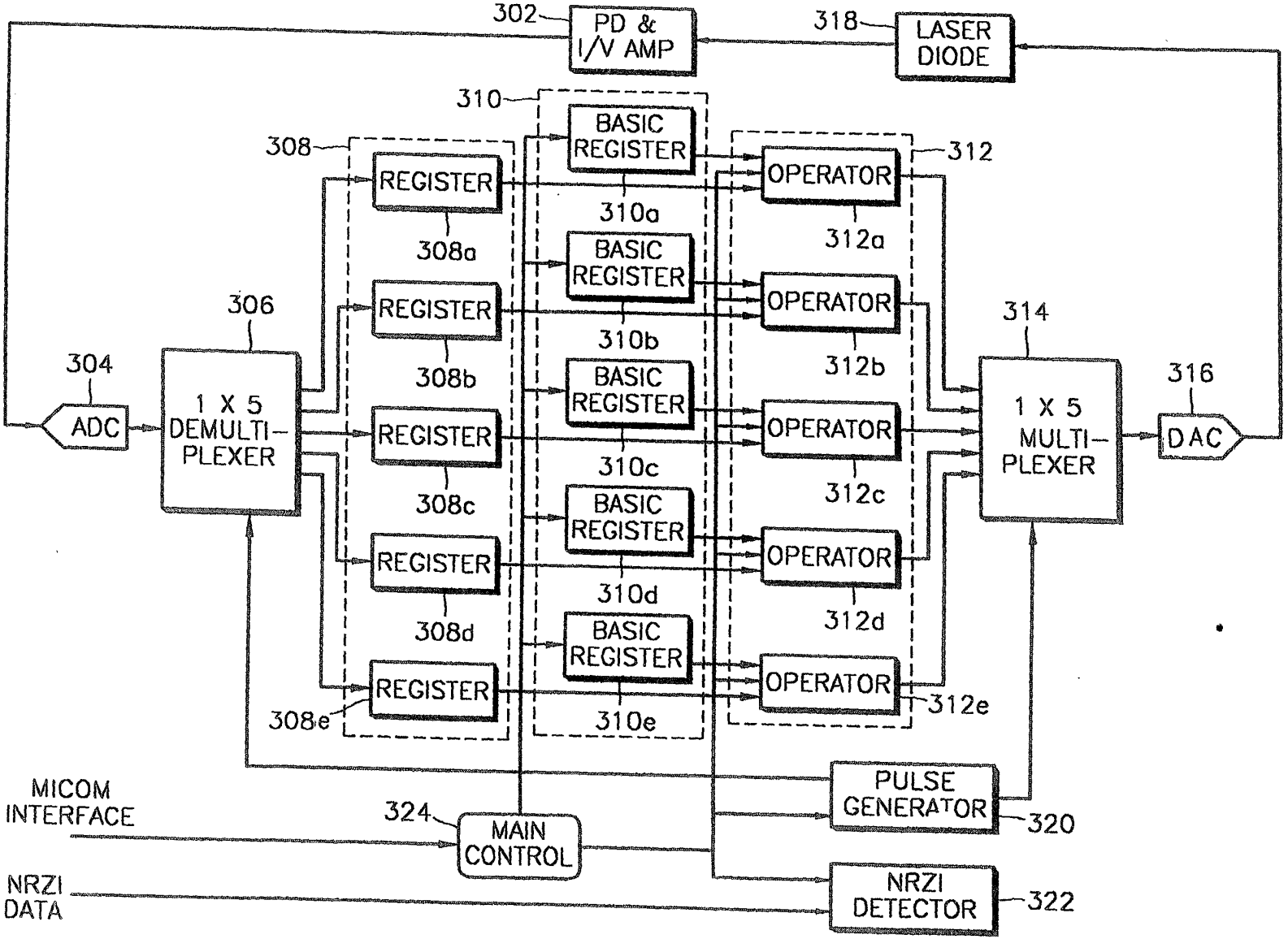

302
PD & I/V AMP
318
LASER DIODE
310
BASIC REGISTER
308
REGISTER
312
OPERATOR
310a
308a
312a
306
314
304
316
ADC
1 X 5 DEMULTI-PLEXER
1 X 5 MULTI-PLEXER
DAC
310b
308b
312b
310c
308c
312c
310d
308d
312d
308e
310e
312e
MICOM INTERFACE
324
MAIN CONTROL
PULSE GENERATOR
320
NRZI DATA
NRZI DETECTOR
322

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FIG. 5(a) INPUT NRZI DATA

FIG. 5(b) RECORDING WAVEFORM (LD OUTPUT SIGNAL)

FIG. 5(c) ADC INPUT SIGNAL (PD & I/V OUTPUT)

FIG. 5(d) READ CONTROL SIGNAL

FIG. 5(e) PEAK CONTROL SIGNAL (WRITE)

FIG. 5(f) BIAS1 CONTROL SIGNAL (ERASE)

FIG. 5(g) BIAS2 CONTROL SIGNAL (COOLING)

FIG. 5(h) BIAS3 CONTROL SIGNAL (BOTTOM)

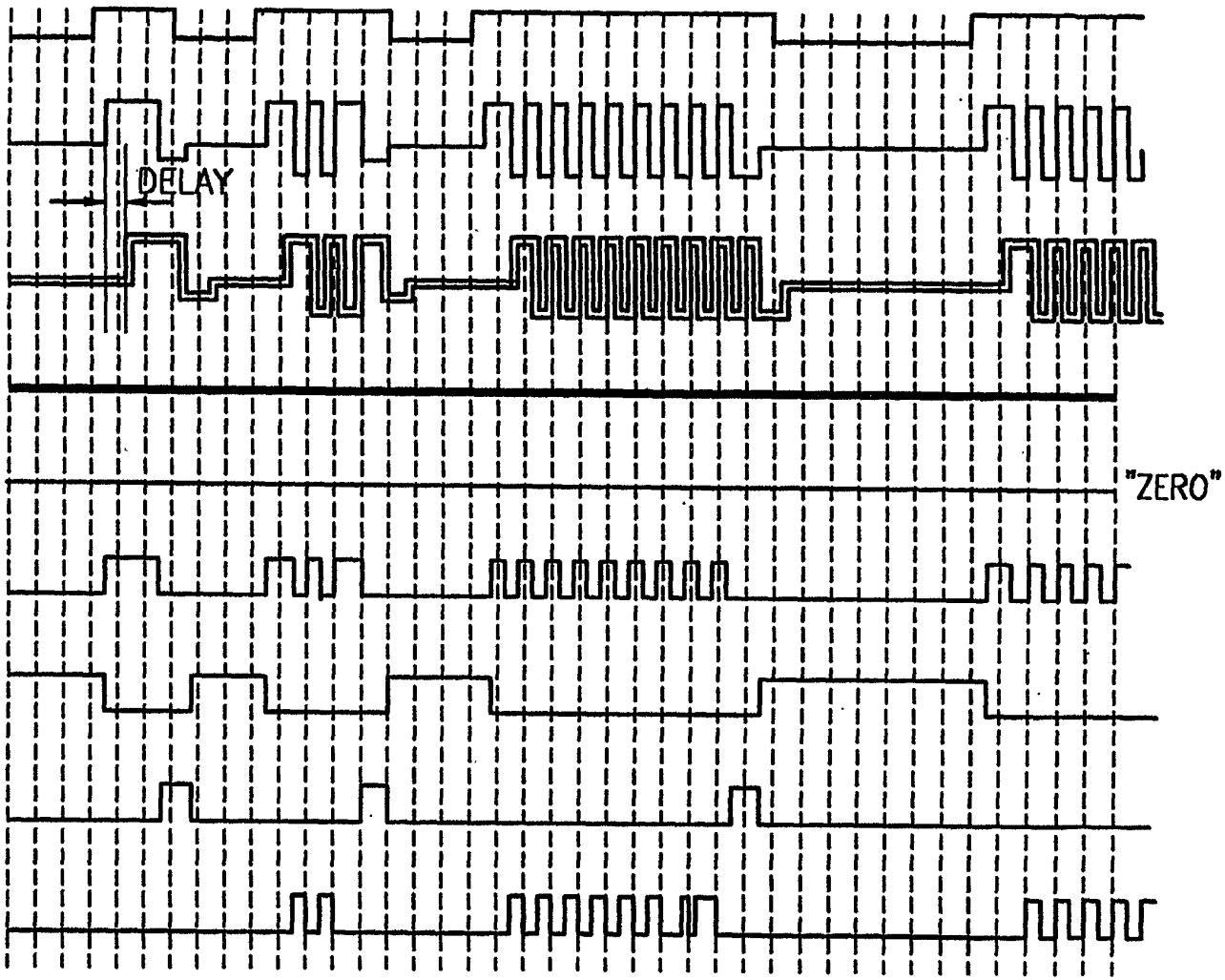

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FIG. 6(a)

FIG. 6(b)

FIG. 6(c)

FIG. 6(d)
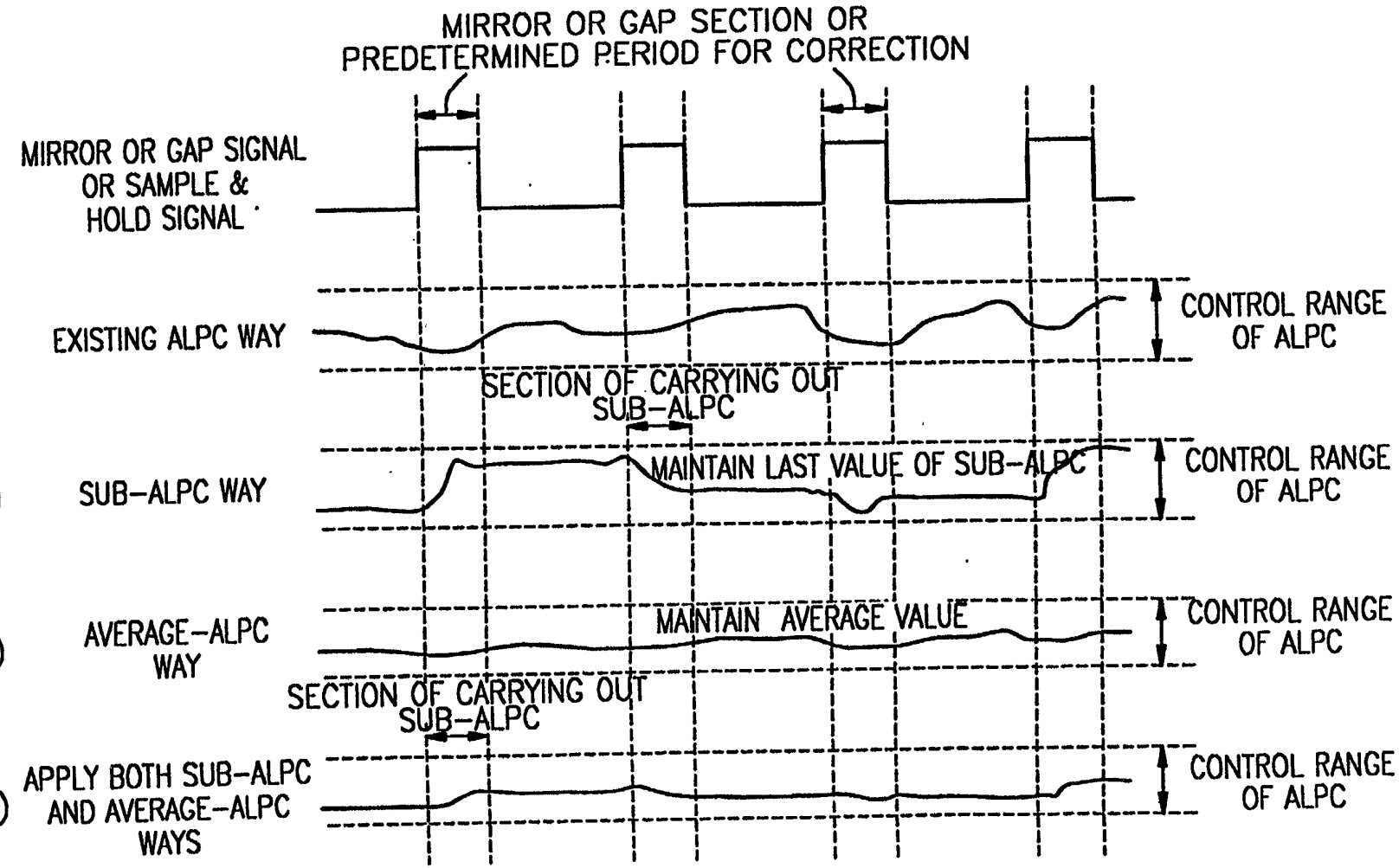
FIG. 6(e)